



I-9103, I-9103R

Features and Benefits

Dual heat detector, combining both fixed temperature and rate of rise heat detection. As standard the fixed Temperature is set to 66 degrees C. while the rate of rise is set to 3 degrees C in one minute. The rate of rise function can be switched off and the fixed temperature can be adjusted between 54 and 74 Degrees C.

1. Built in 8 bit microprocessor
2. Algorithm maps for false alarm rejection
3. Analogue sensing
4. Secure and speedy communication
5. Self diagnosis and history log
6. Electronically addressed
7. Twin LED for 360° vision
8. Low profile design
9. Fixed temperature response is adjustable via hand held programming tool between 60 and 72 degrees C.

Description

This detector is very reliable for application in places where may have high dust levels or Smokey environments which makes a normal smoke detector unsuitable, for example boiler/plant rooms, cars parks, kitchen, loading bays, furnace/kiln rooms. Meeting the sensitivity requirement of EN 54 part 5 and part 6 European Standard and approved by LPCB.

Aesthetically pleasing low profile design and easy to install. Utilizing the latest development of intelligent processor that provides Algorithm mapping, Built-in A/D converter, Self Diagnosis and history log.

Electronic addressing can be done through Handheld Programming device (P-9910), purchased separately.

I-9103R has an output to drive remote LED indicator.

Technical Specifications

- Standard: EN54-part5/ part6
- Approval: LPCB, CE
- Operating voltage: 24Vdc Loop voltage
- Operating Current:
 - Standby current 0.8mA
 - Alarm Current 1.4mA
- Operating temperature: -10°C to +50°C
- Fixed Temperature adjustments: between 54°C to 80°C
- Output for remote indicator: 4.3V, 1mA
- Relative humidity: 95%
- Application: Indoor use
- Detecting range: 50 sqm. for normal areas; and 20 sqm for high risk
- Field programmable fixed temperature: 60, 66 and 72°C
- Visual indicator: twin LED, Red (lit steady when alarm, 3 sec interval blinking at normal state)
- Protection rating: IP 22
- Material and colour: ABS, off-white
- Wiring: 1 pair non polarized
- Dimensions: diameter 10cm; height 5cm